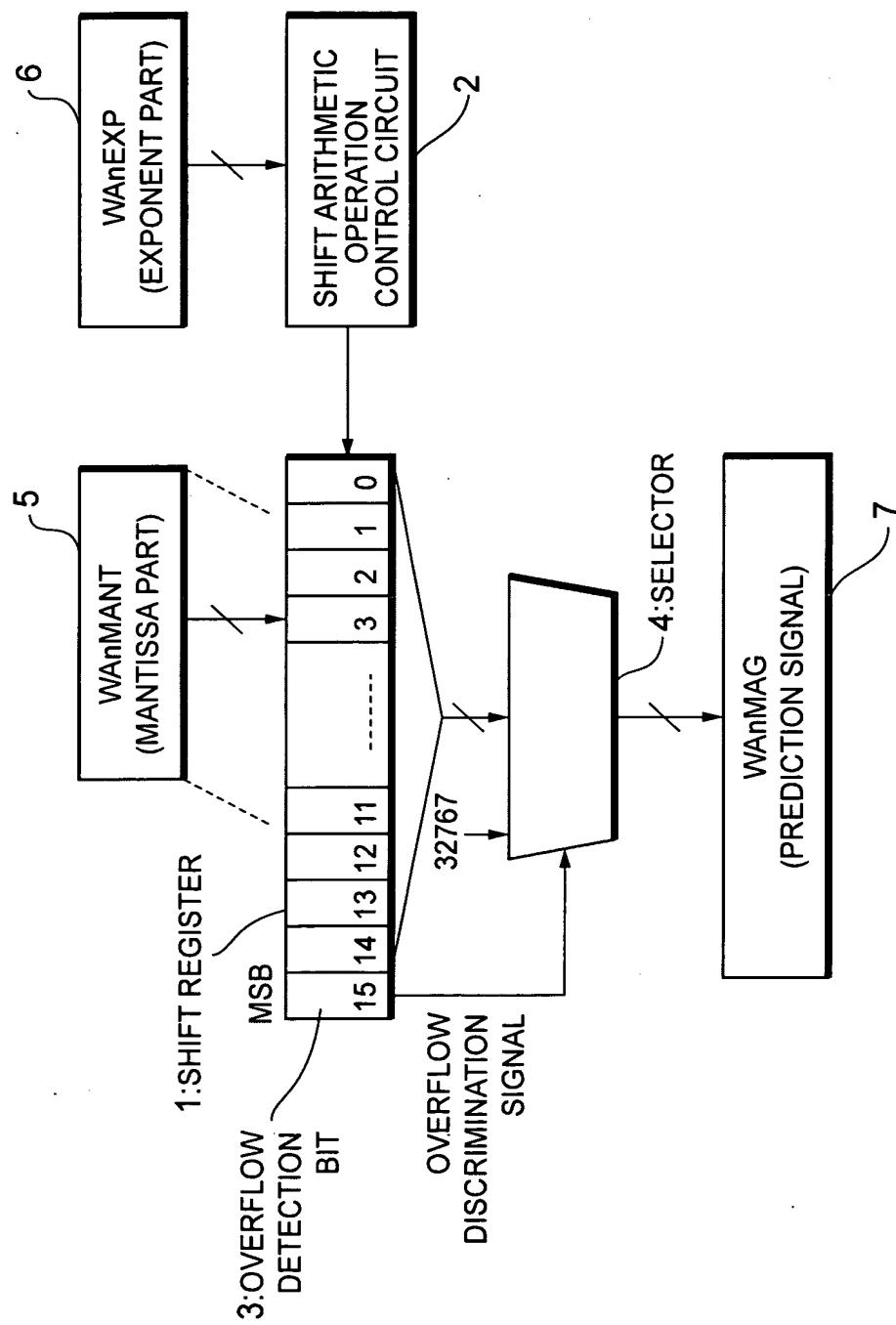


Fig. 1

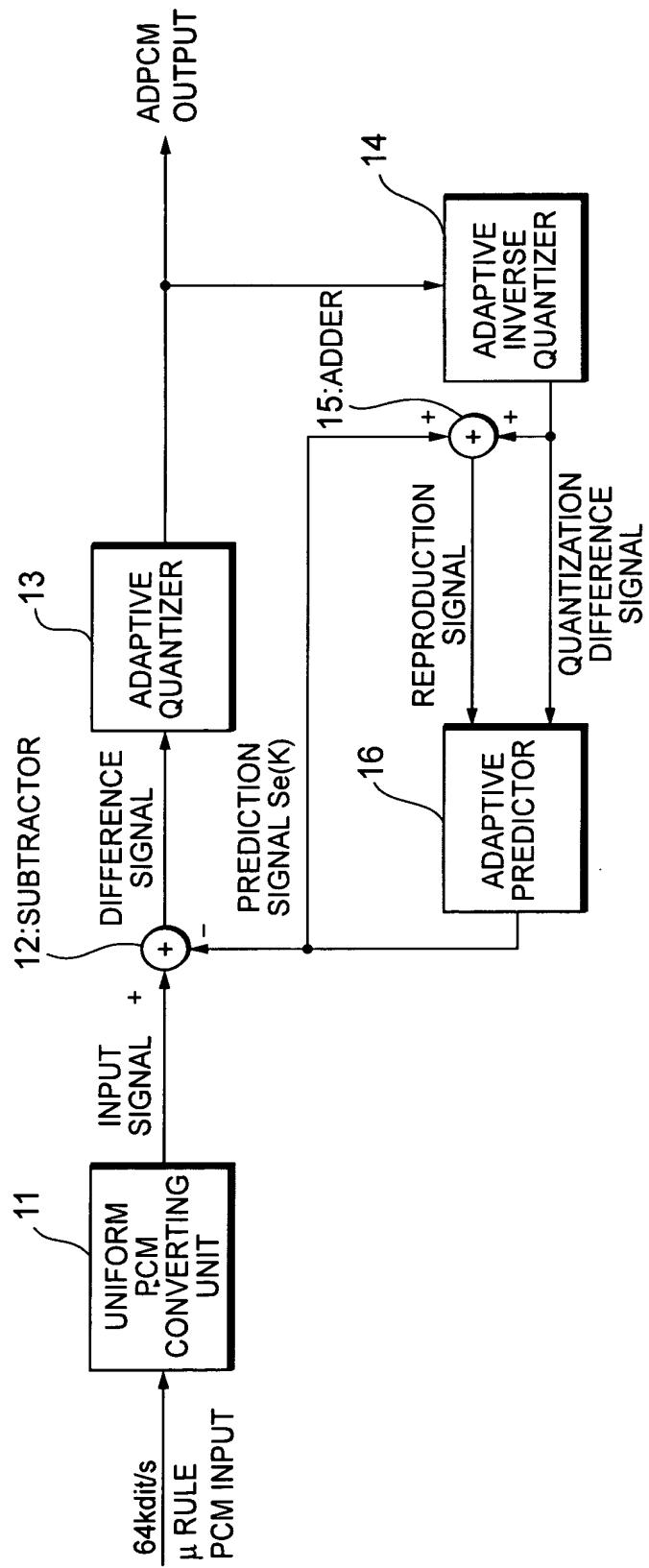


ADPCM DECODER

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Inventor: Tsutomu SHIMOTOYODOME

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Fig. 2



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Fig. 3

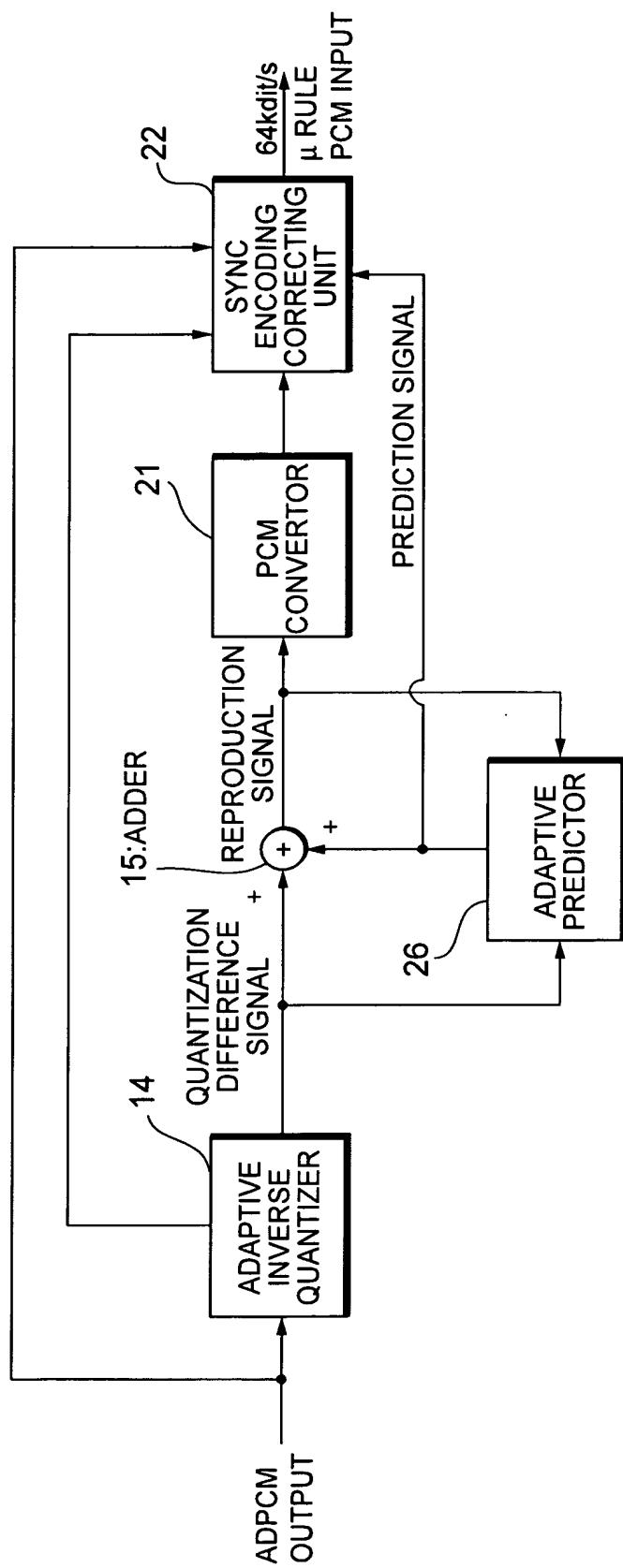
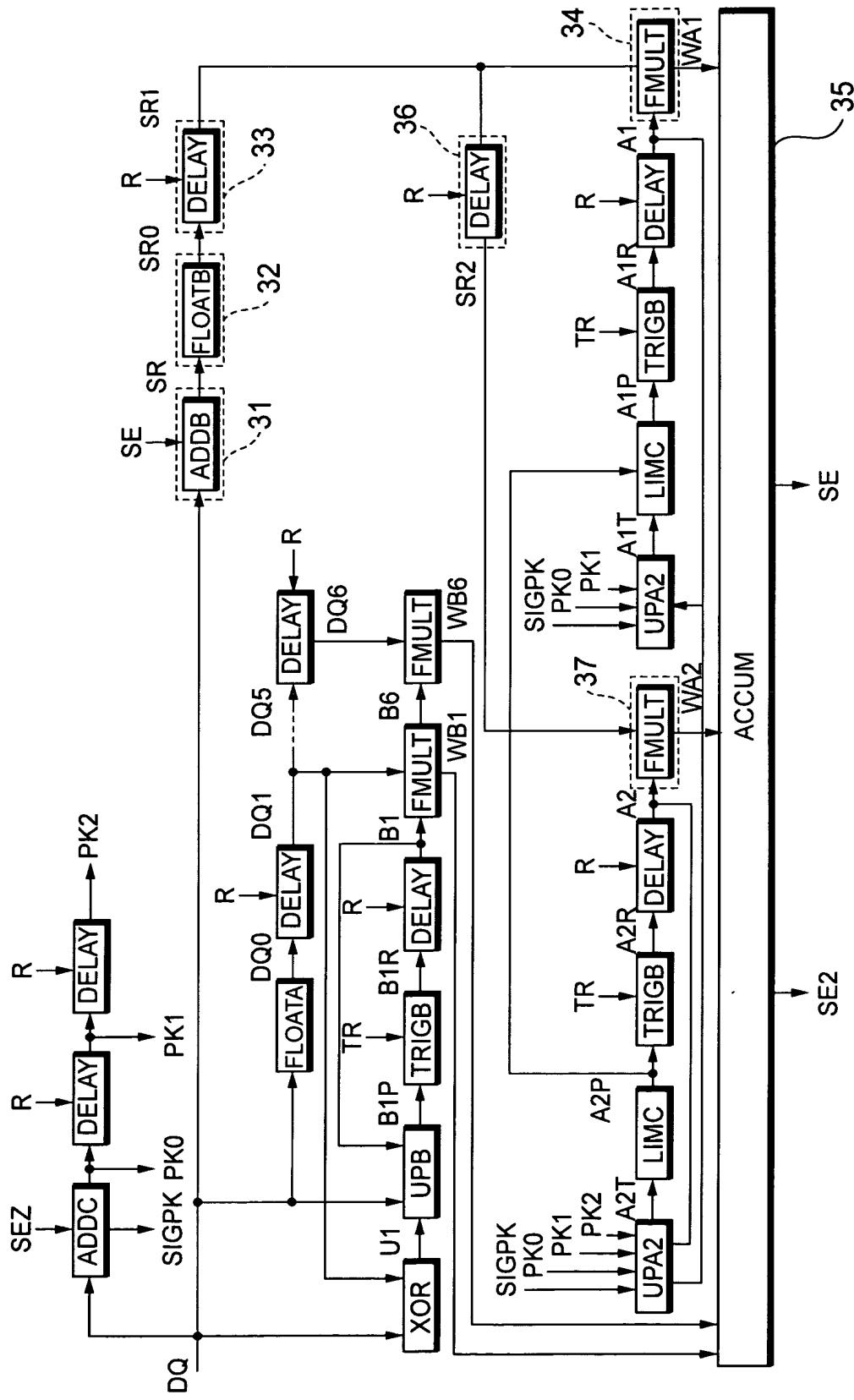


Fig. 4



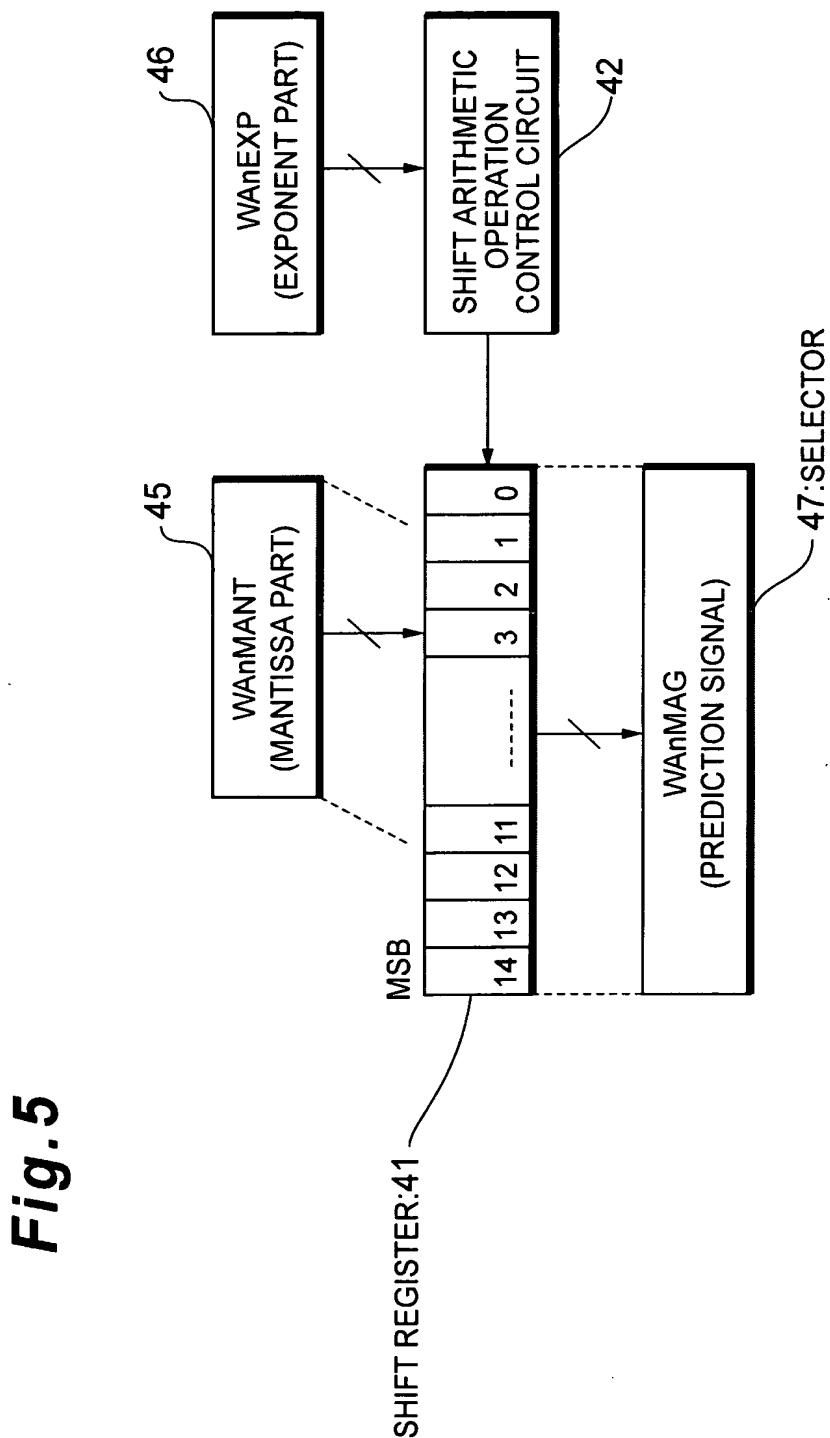
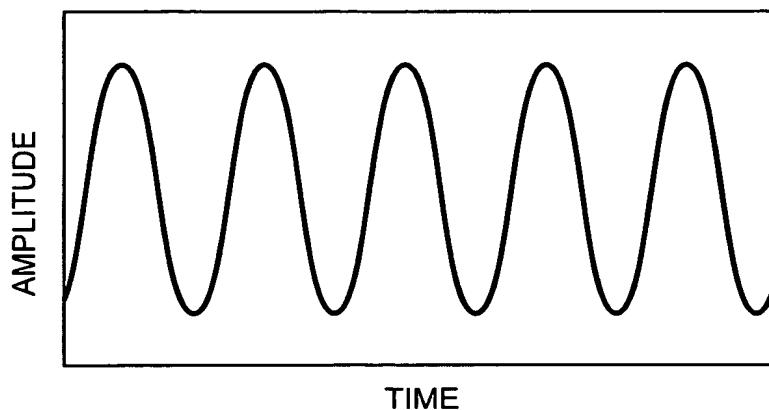
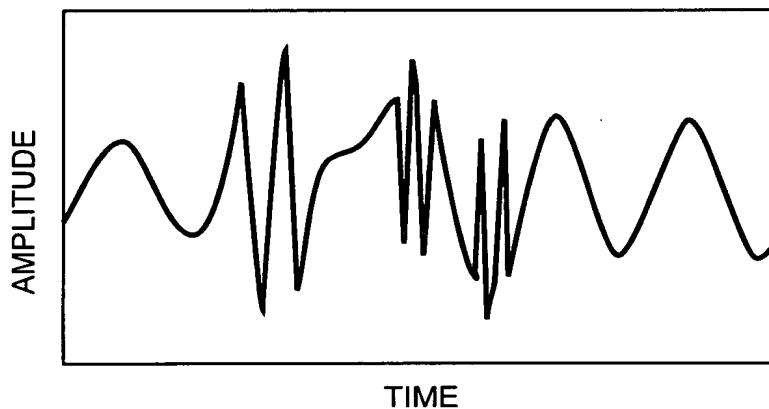


Fig. 6(a)



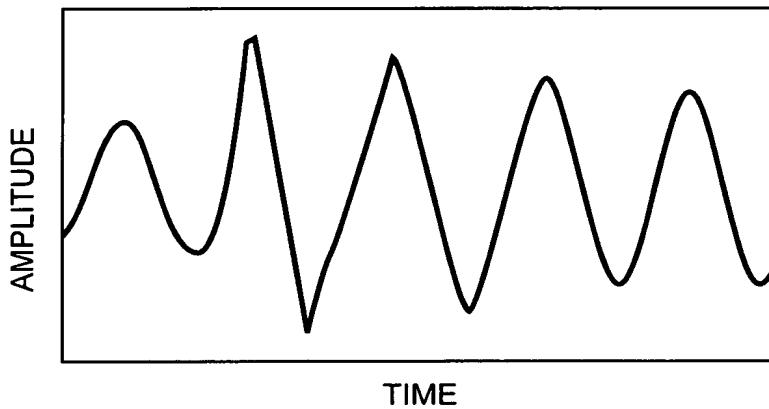
DECODER OUTPUT WHEN NORMAL DATA HAS BEEN DECODED

Fig. 6(b)



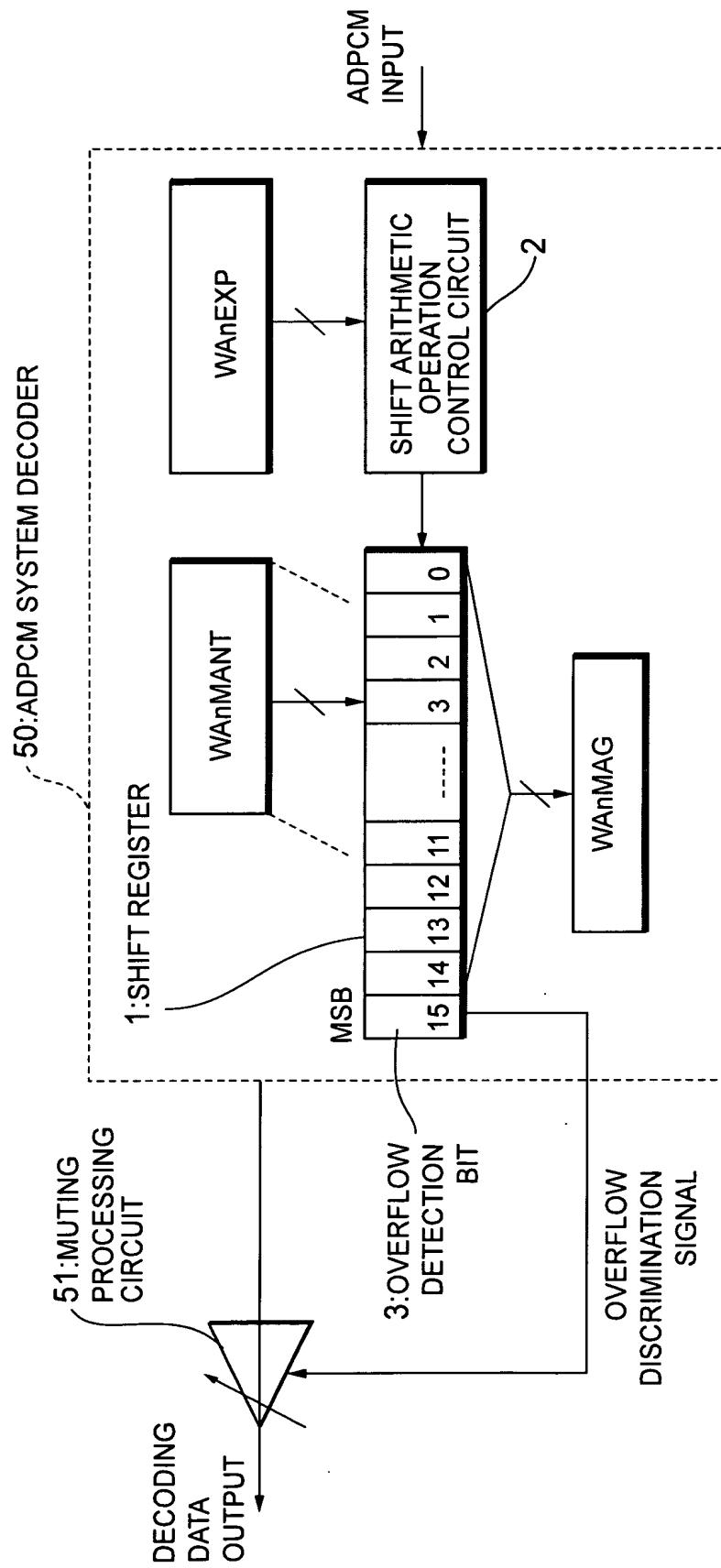
DECODER OUTPUT WHEN DATA HAVING ERRORS HAS BEEN DECODED

Fig. 6(c)



DECODER OUTPUT IN THE EMBODIMENT 1

Fig. 7



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Fig. 8

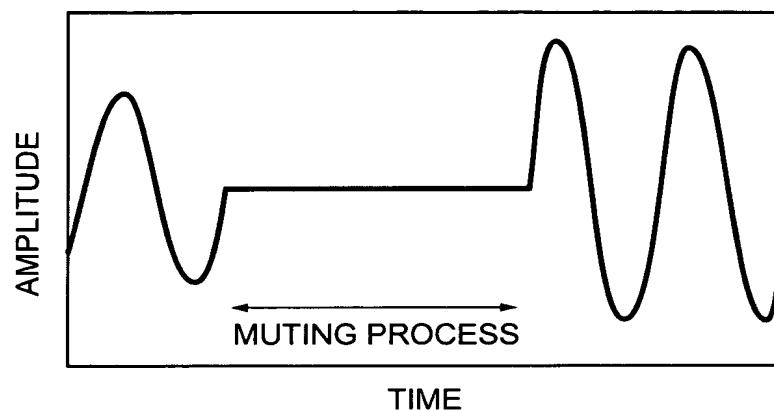
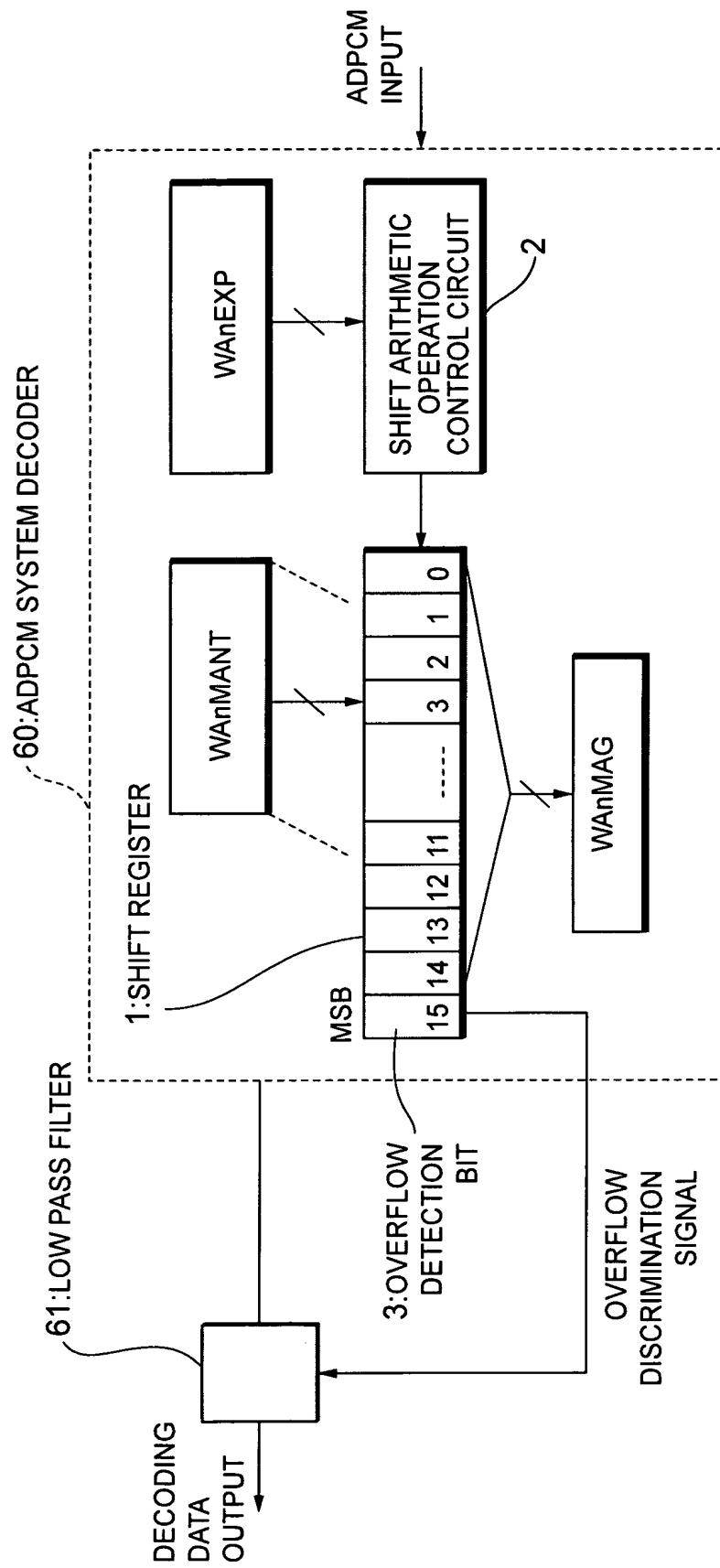
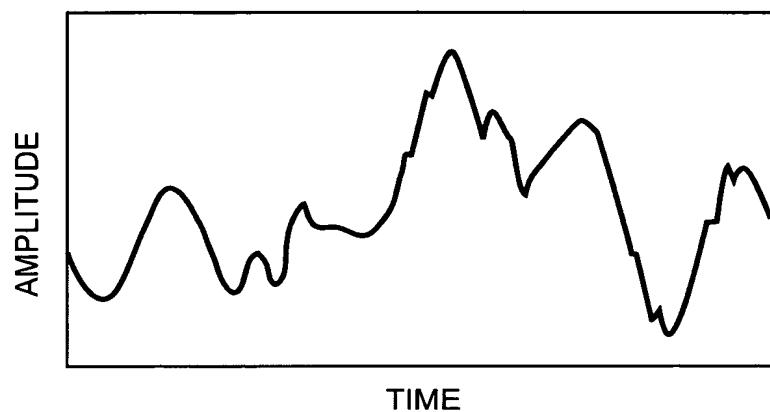


Fig. 9



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Fig. 10



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Fig. 11



NORMALIZED INPUT RANGE OF QUANTIZER $\log_2 D(k) - Y(k)$	$ D(k) $	NORMALIZED OUTPUT OF QUANTIZER $\log_2 D(k) - Y(k)$
[4.31, +∞)	15	4.42
[4.12, 4.31)	14	4.21
[3.91, 4.12)	13	4.02
[3.70, 3.91)	12	3.81
[3.47, 3.70)	11	3.59
[3.22, 3.47)	10	3.35
[2.85, 3.22)	9	3.09
[2.64, 2.95)	8	2.80
[2.32, 2.64)	7	2.48
[1.95, 2.32)	6	2.14
[1.54, 1.95)	5	1.75
[1.08, 1.54)	4	1.32
[0.52, 1.08)	3	0.81
[-0.13, 0.52)	2	0.22
[-0.96, -0.13)	1	-0.52
[-∞, -0.96)	0	-∞

INPUT/OUTPUT CHARACTERISTICS OF
THE ADAPTIVE QUANTIZER